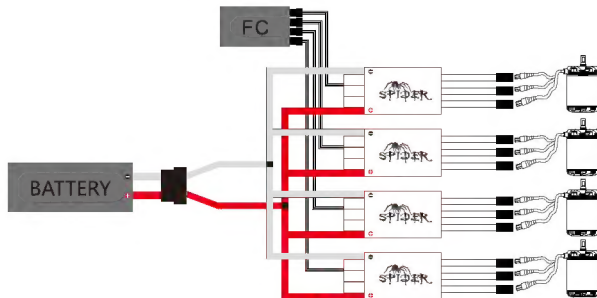


## Spider-Series Brushless ESC User Manual

Thank you for purchasing ZTW Spider Series Brushless Electronic Speed Controller (ESC). Spider series ESCs are especially designed to meeting the demand of ever popular multirotors. Spider ESCs carry the features and workmanship of our products has been. Most of all the stability of this series will keep your craft safe in the air This product is no toy, please use it carefully. ZTW and its reseller are not responsible for your use of this product, or any damage or injuries you may cause or sustain as a result of it's usage.

### Connecting your ESC:

- Connect your controller with motor wires.
- Solder appropriate connectors to the battery wires.
- Insulate all solder connectors with heat shrink tubes.
- Plug signal cable into throttle channel in the receiver.
- Red and Black wires from ESC should connect to battery pack Red and Black wires respectively.



### Features:

- Use new generation of the MOSFETs to make sure the ESC low heating and high reliability .
- Supports high RPM motors, can be matched with most of the motors in the RC market .
- Super smooth and accurate throttle linearity
- Super fast Refresh Rate up to 600Hz
- Extremely low internal resistance

### Specifications:

Type	PN#Model	Cont./Burst	Max.Power	Battery cell	Weight	BEC	Size(mm)	User
		Current(A)	W	NiXX/Lipo	(g)	Output	W*L*H	Program
Spider 20A OPTO	5020301	20A\30A	380	5-18NC /2-6Lipo	23	NONE	25*43*9	NO
Spider 30A OPTO	5030301	30A\40A	500	5-18NC /2-6Lipo	25	NONE	25*43*9	NO
Spider 40A OPTO	5040301	40A\50A	630	5-18NC /2-6Lipo	33	NONE	27*52*10	NO
Spider 50A OPTO	5050301	50A\60A	750	5-18NC /2-6Lipo	48	NONE	37*52*10	NO
Spider 60A OPTO	5060301	60A\70A	880	5-18NC /2-6Lipo	50	NONE	37*52*10	NO

### Shenzhen ZTW Model Science & Technology Co., Ltd

ADD: 5/F B, Block A4, Anle Industrial Estate, st. Hangcheng, Gushu, XiXiang,  
 BaoAn, Shenzhen, China, 518126  
 TEL: +86 755 29120026, 29120036, 29120056-808  
 FAX: +86 755 29120016    <http://www.ztwoem.com>  
 E-mail: [sales@ztwoem.com](mailto:sales@ztwoem.com)

